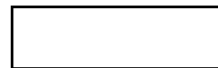


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DATE June 1965

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CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE DIVISION
PHOTOGRAPHIC INTELLIGENCE REPORT

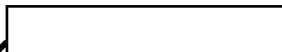
COMPUTED LOCATIONS OF SA-2 SAM SITES,
WAC 163, USSR

CIA/PIR-1005/65



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GROUP 1
Excluded from automatic
downgrading and declassification

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CIA, PHOTOGRAPHIC INTELLIGENCE DIVISION

COMPUTED LOCATIONS OF SA-2 SAM SITES,

WAC 163, USSR

This report transmits machine computed geographic coordinates of all SA-2 SAM Sites from WAC 163, Omsk, USSR. These coordinates were computed using camera data from [] photography.

The following table summarizes the results obtained:

Name Site Designator BE Number	Map Plotted Coordinates	Map Reference	Map Reliability	Computed Coordinates	Deviations
Omsk A13-2 []	54-54-10N 73-32-25E	0163-10HL 2d ed. Sept 62	± 800'	54-54-32N 73-32-24E	[]
Omsk B09-2 []	54-59-35N 73-41-30E	0163-10HL 2d ed. Sept 62	± 800'	54-59-09N 73-42-36E	
Omsk B17-2 []	54-46-00N 73-28-20E	0163-10HL 2d ed. Sept 62	± 800'	54-45-32N 73-27-47E	
Omsk B26-2 []	54-55-10N 73-01-30E	0163-9A 1st ed. May 59	± 1600'	54-54-52N 73-01-58E	
Omsk B34-2 []	55-07-20N 73-17-10E	0163-10HL 2d ed. Sept 62	± 800'	55-07-22N 73-17-01E	

NOTE: Accuracy for computed coordinates is considered to be within ± 3000'.

The submitted geographic positions are the computed coordinates using the aft frame of [] This mission was tested over controlled territory and the aft frames had a maximum error of [] of 25X1 longitude.

Included in the coordinate determination were [] as well as the [] With the exception of [] these missions were tested over controlled areas and were not as accurate as the selected camera.

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Bias did exist and tended to hold true with respect to [] in the opera- 25X1
tional area. This provided a reasonable confidence level for the submitted
positions and accuracy statement.

The accuracy statement of ± 3000 ft. represents at the latitude of the target
area approximately $\pm 30''$ of latitude and $\pm 50''$ of longitude. Because of the
potential inconsistencies in the Mission Ephemerides, it is undesirable to submit
the accuracy indicated by the results over the controlled territory which would
be ± 1000 ft. It is anticipated however that in the future a smaller figure will
be possible.

Your attention is directed to the column showing the deviations between the
plotted coordinates and the computed coordinates. Analysis is continuing on this
project with emphases on sites in China while continuing to develop the statistical
base from new missions.

Computations have been made by the NPIC/Technical Intelligence Division and
accuracies apply as stated in paragraphs 1, 2 and 4 above.

REQUIREMENT

C-SI4-81,720

CIA/PID PROJECT

30717-4 (partial answer)

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Approved

S 17460